

Resources for Master Gardeners

PNW Insect Management Handbook: <https://pnwhandbooks.org/insect>

PNW Disease Management Handbook: <http://pnwhandbooks.org/plantdisease/>

Pacific Northwest Plant Disease Handbook

- 1. Find Peach (*Prunus* sp.)-Leaf Curl. Use this entry to answer the next few questions.**
 - a. Is this a bacterial disease? What is the name of the causal agent?
 - b. When is the time of maximum susceptibility to infection?
 - c. What is the most appropriate cultural control for this disease?
 - d. Which products (marked with **H**) are available to homeowners for control of the disease?

- 2. In May a client brings in a sample of their *Photinia*. There are small, dark reddish spots with black or grey centers on the leaves, and lots of leaves are falling off the plant.**
 - a. From these symptoms, what would you suggest is the cause?

 - b. What cultural controls are recommended?

 - c. What chemical controls are available for purchase by homeowners?

- 3. A client visits with some leaves from their rose and you determine they have black spot.**
 - a. Assuming the client wants to keep the plant, what cultural controls can they employ for this disease?

 - b. What chemicals are recommended for homeowners?

Pacific Northwest Insect Management Handbook

1. Look up the entry under Small Fruit crops for Currant and gooseberry-San Jose Scale. Use this entry to answer the following questions.

- a. What symptoms on the plant might indicate that you potentially had a problem with this insect pest?
- b. How do scale insects move?
- c. If you are inspecting plants for this pest, what are you looking for?
- d. That insecticide containing malathion you had for the landscape wipes everything out. OK to use it on the currants too?

2. You are growing beets in your garden and have identified a problem with leafminers. Aaaargh!

- a. From the Handbook entry, what is a simple, cheap cultural control method...

3. Locate the entry for Crane Fly in Turfgrass.

- a. If a client calls in the fall and is concerned that they have crane fly, what would you suggest they do to confirm that they indeed have this insect pest in their lawn?
- b. How do you know if you need to treat the lawn?
- b. What products are registered for use by homeowners?

4. Using the drop-down menu under the Insect Management Handbook tab, scroll over “Structural and Health Pests”, then when you get the sub-menu, select “Nuisance and Household Pests”.

- a. Your client brings in a pill bottle with some very small, rounded, spotted beetles. They keep finding these in the windows of the house. What other life stages should they look for and what management options are there? (This one will require some searching around ...☺)

OSU Extension Publications: <https://catalog.extension.oregonstate.edu/>

Click on “Gardening” on the home page to access home garden publications”. From there you can choose a variety of categories.

1. **A client is looking for information on growing raspberries. Find the appropriate home garden publication(s) in the catalogue.**

2. **A client is looking for information on growing tree fruit in the home garden. Find the appropriate home garden publication(s) in the catalogue.**

3. **If a client is looking for some information on fertilizing his lawn, do we offer such a publication?**

Pacific Northwest Nursery IPM: <http://oregonstate.edu/dept/nurspest/index.htm>

Click on the appropriate category on the home page to access information on insects, diseases, etc.

1. **A client with a Colorado Blue Spruce comes in with the tip of her spruce wilted then died over the course of a few weeks. You find the tip riddled with holes and determine this is the White Pine Weevil.**
 - a. What host plants are typically attacked by this weevil?

 - b. Which life stage does the damage to terminal growth?

 - c. What cultural management techniques are employed for control?

Oregon Department of Agriculture Spider information

<http://www.oregon.gov/ODA/programs/IPPM/Pages/OregonSpiders.aspx>

1. If a client is concerned about the Hobo spider they found in their home, what can you tell them about the danger to them of this or other Oregon spiders?
2. If you want to control spiders in the home, is spraying for them generally effective? What other control measures should be implemented?

National Pesticide Information Center (NPIC)

<http://www.npic.orst.edu/>

2,4-D is a commonly used active ingredient in home garden herbicides. Under “Pesticide products” on the NPIC home page, use the drop-down menu to select “Pesticide ingredients”, then “Active ingredients”. Then choose “active ingredients” from the “Related topics” menu on the right. Click on 2,4-D.

1. What is the fate of this pesticide in the environment?

Washington State University Pest leaflet series: <http://puyallup.wsu.edu/plantclinic/pls/>

Vast amount of information here!

1. Open the file on Eriophyid mites.
 - a. Are these mites visible to the observer? How can they be identified as present?
 - b. How do Pear Leaf Blister mites differ in their behavior from gall mites?

Oregon State University Extension Service Gardening: <http://extension.oregonstate.edu/gardening/>

Use the search box at the top right corner of the website to search.

1. **What soil or soil quality related topics are covered in various articles available at this site?**
2. **If a client wanted information on use of organic or synthetic fertilizers, what options are there?**
3. **If a client is looking for pruning assistance with shrubs, fruit trees and blueberries, can we help them out with handy articles?**